Residuals vs Fitted

Residuals (y-axis)

Fitted values

lm(cycles ~ chrg_c + temp_c + chrg_c2 + temp_c2 + chrgtemp_c)

Normal Q–Q

Standardized residuals

Theoretical Quantiles
lm(cycles ~ chrg_c + temp_c + chrg_c2 + temp_c2 + chrgtemp_c)

Scale−Location

√|Standardized residuals|
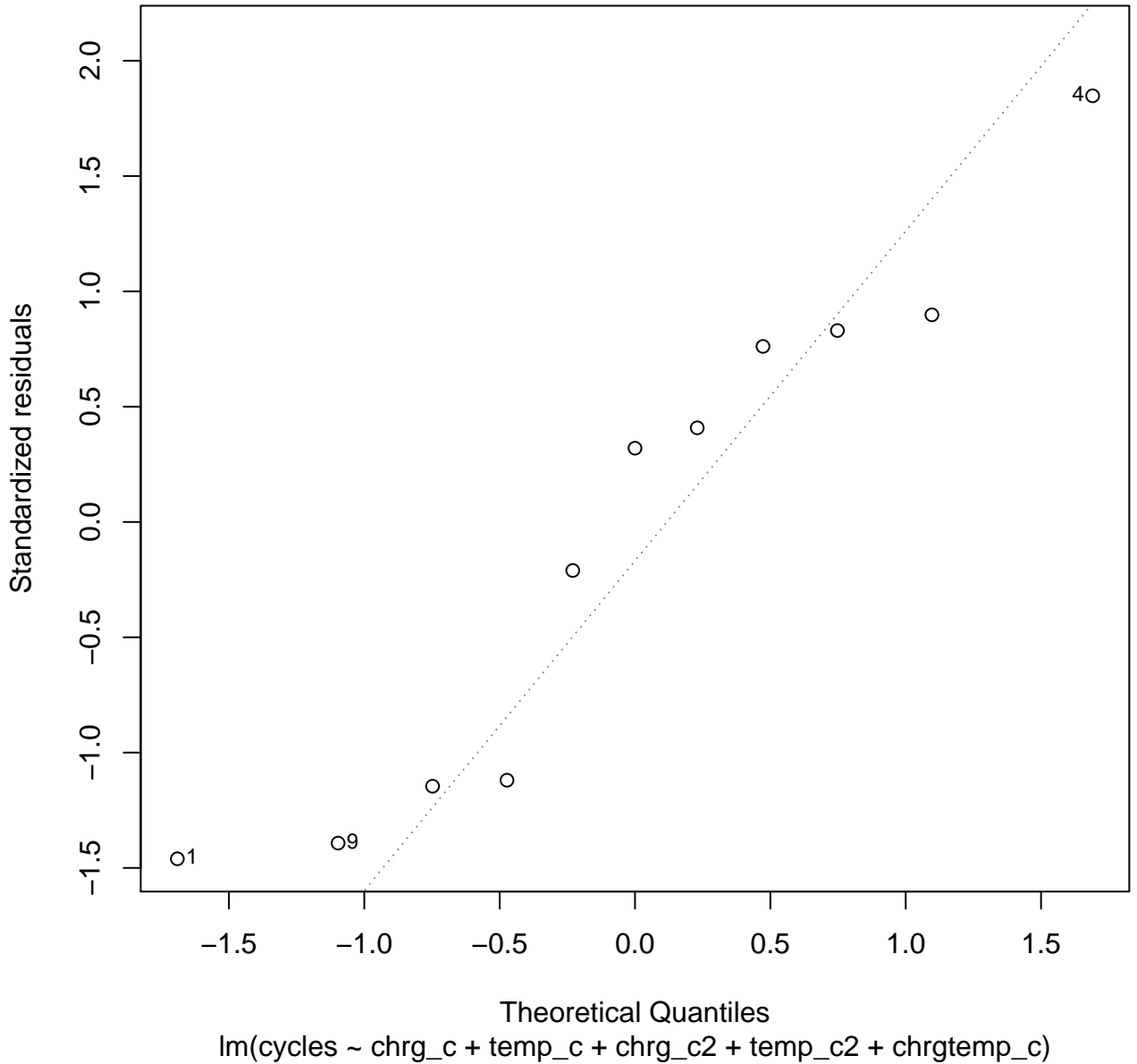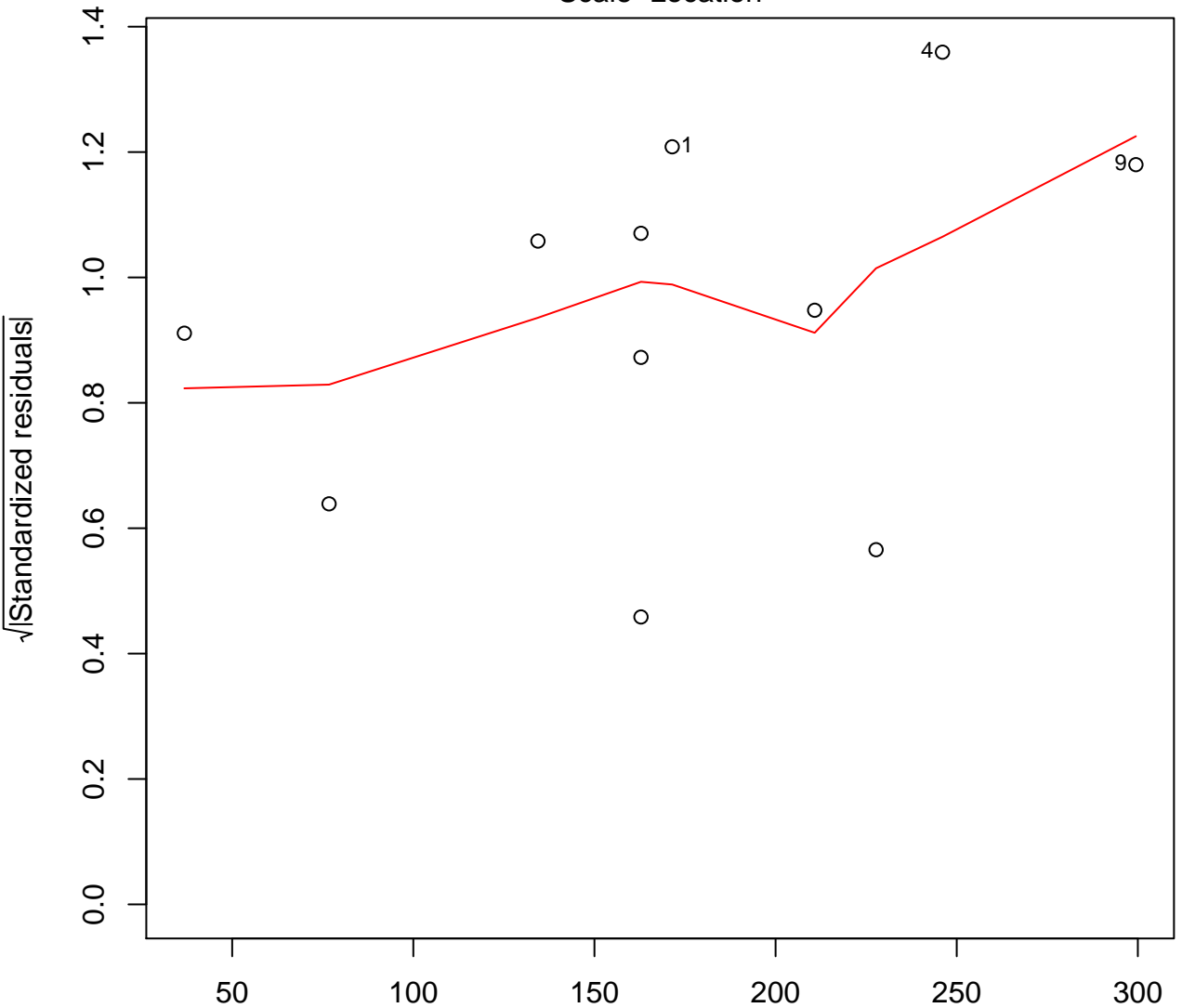
Fitted values
lm(cycles ~ chrg_c + temp_c + chrg_c2 + temp_c2 + chrgtemp_c)

Residuals vs Leverage

Standardized residuals

Leverage
lm(cycles ~ chrg_c + temp_c + chrg_c2 + temp_c2 + chrgtemp_c)
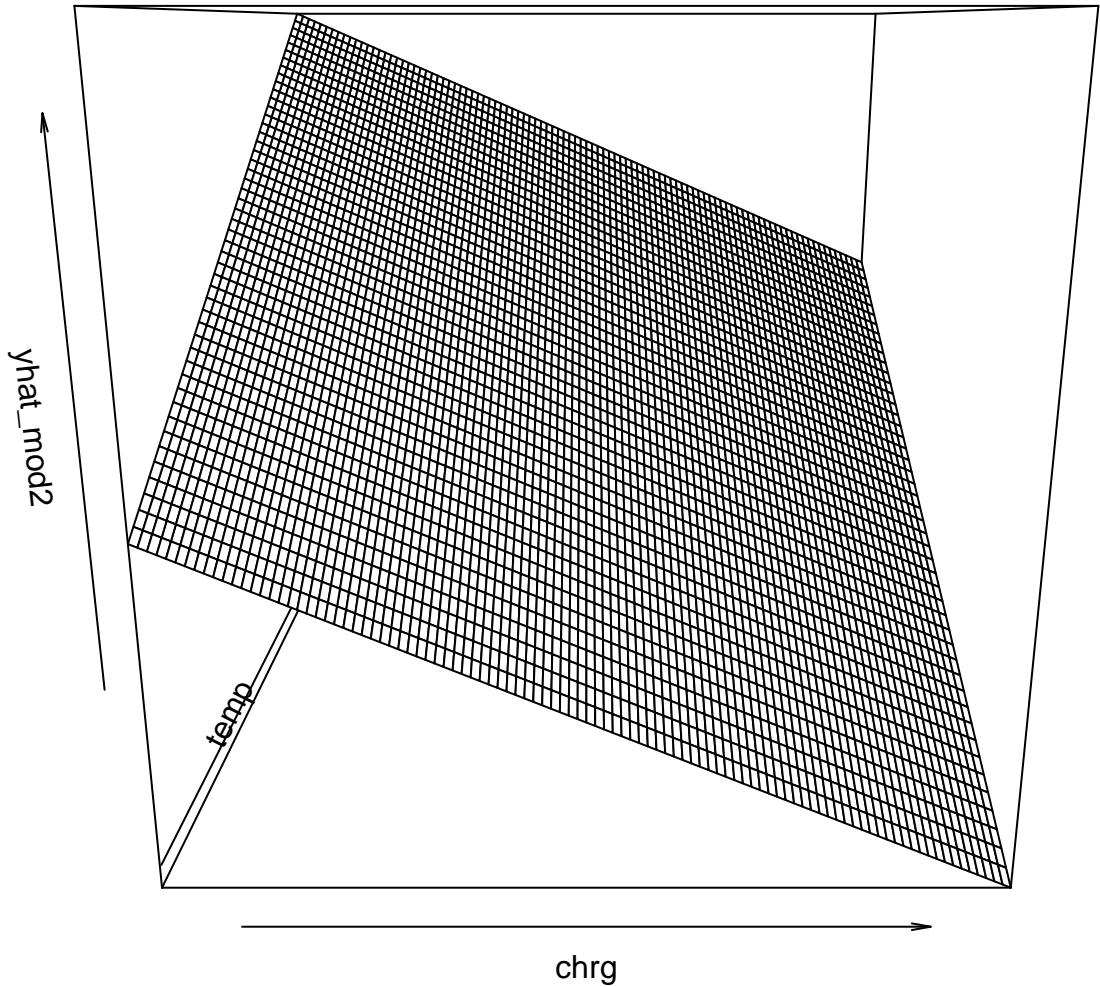
Cook's distance
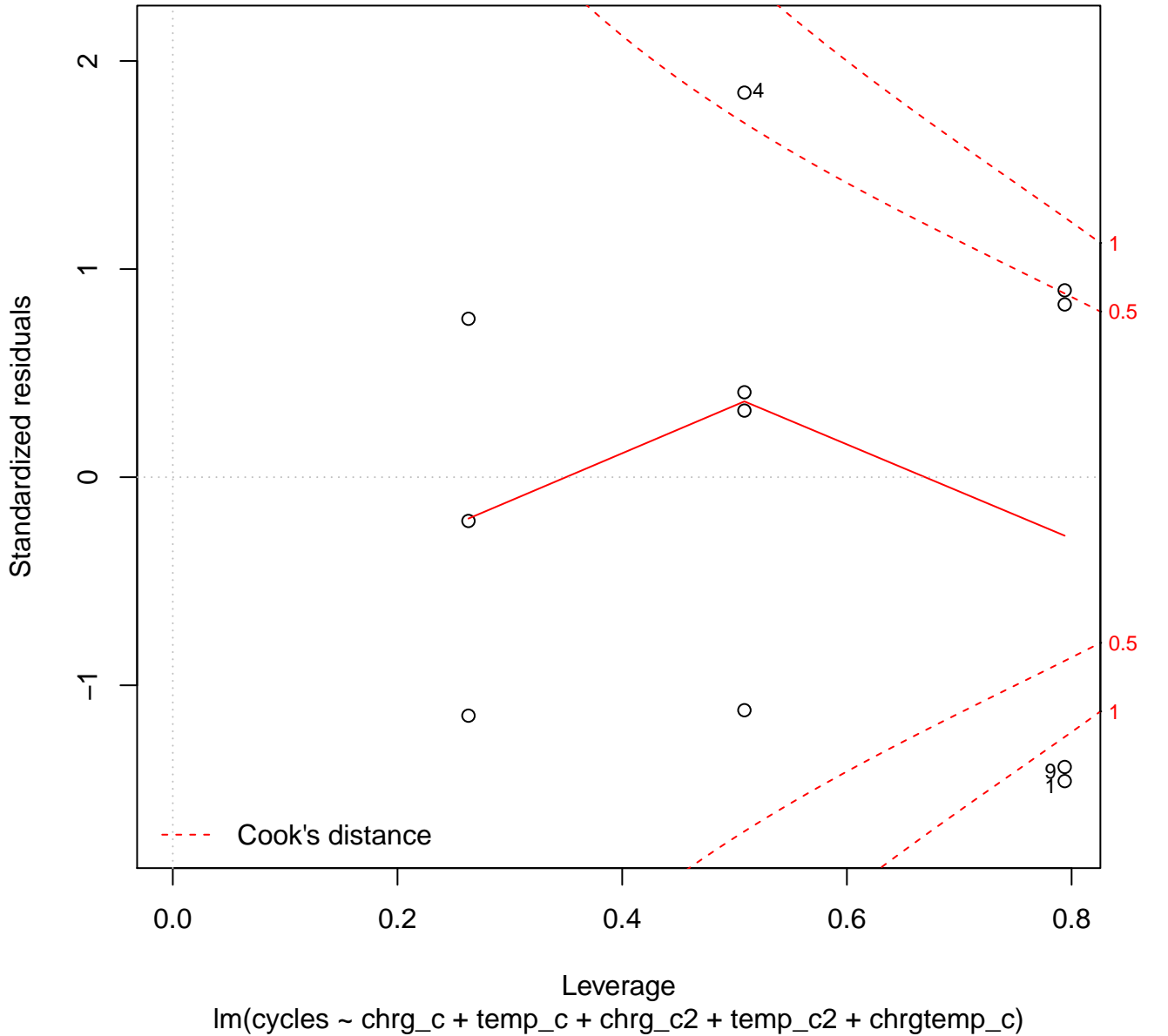
y–hat vs chrg, temp – 2nd Order
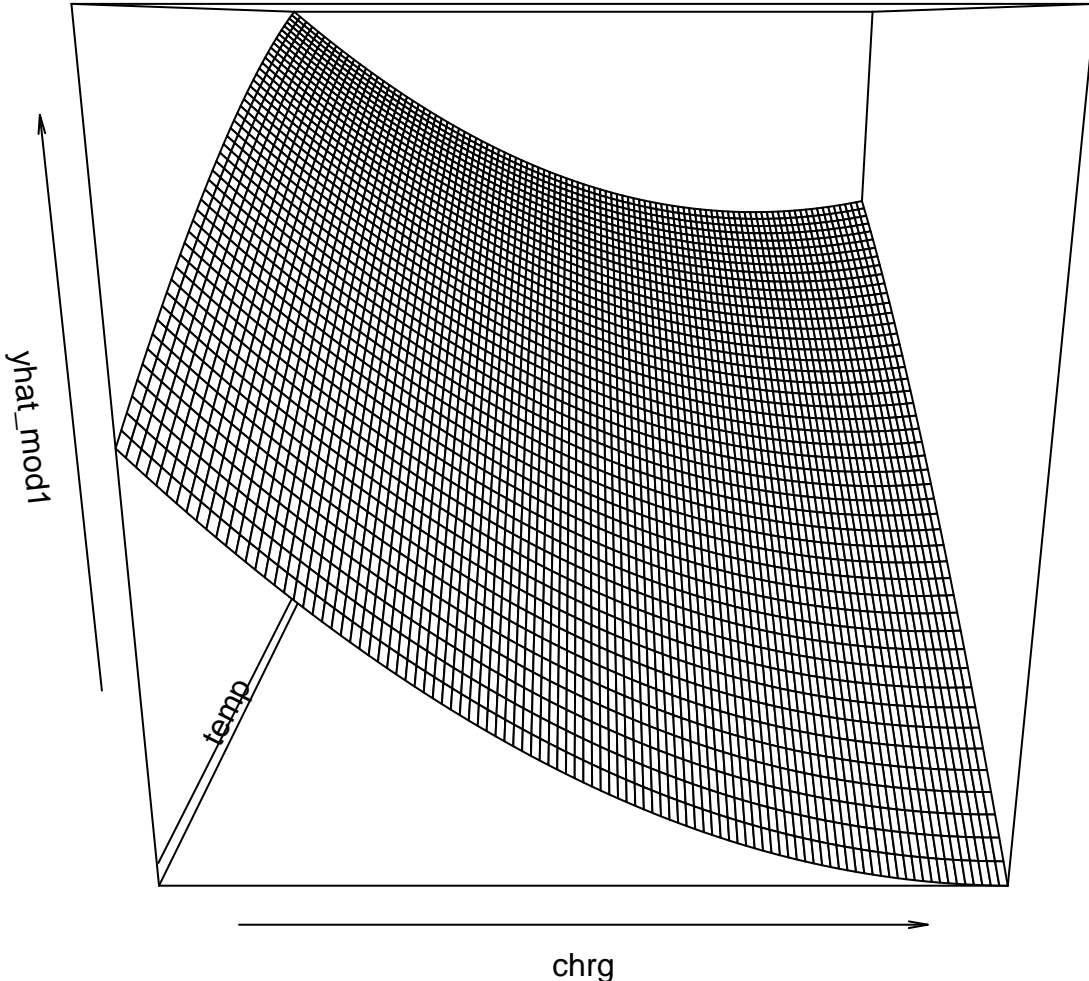
y–hat vs chrg, temp – 2nd Order
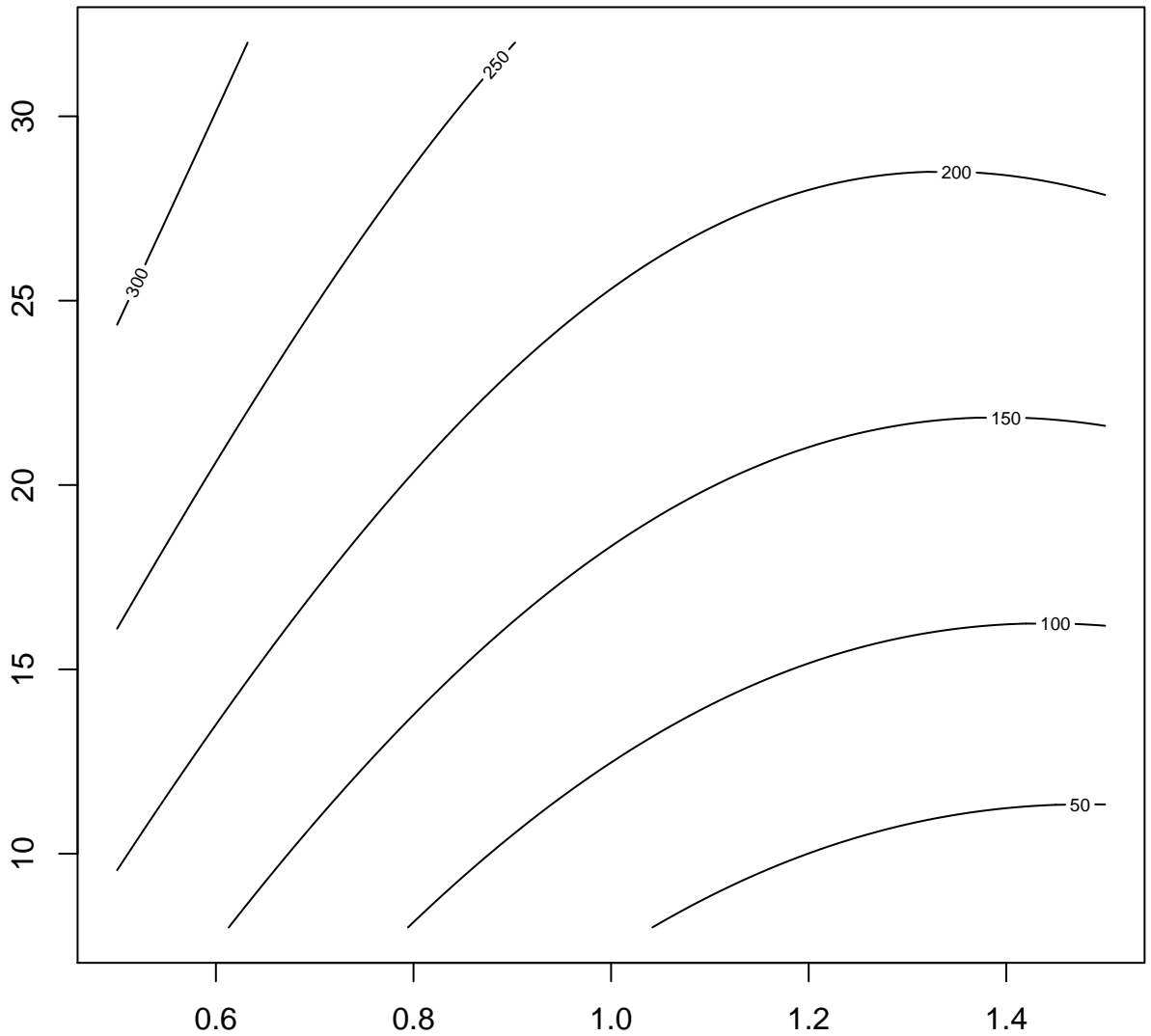
y–hat vs chrg, temp – 1st Order

y–hat vs chrg, temp – 1st Order